

Title (en)

METHOD OF PRODUCING THERMOPLASTIC RESIN HOLLOW MOLDED PRODUCT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES HOHLEN FORMKÖRPERS AUS THERMOPLASTISCHEM HARZ

Title (fr)

PROCÉDÉ DE FABRICATION D'UN PRODUIT CREUX MOULÉ EN RÉSINE THERMOPLASTIQUE

Publication

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Application

**EP 05780154 A 20050727**

Priority

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Abstract (en)

[origin: EP1779994A1] A process for producing a hollow blow-molded product with high productivity is provided by improving heating efficiency of a parison without significant changes to a molding machine for producing the product. The invention relates to the following production process. A process for producing a resin hollow molded product, which comprises the step of heating a parison formed of a thermoplastic resin material, and the step of blow-molding the heated parison, the heating step involving a near-infrared heater with a maximum energy wavelength in the range of 900 nm to 1500 nm and a wavelength converter disposed outside the parison, which absorbs the radiation from the near-infrared heater and emits the radiation as an infrared radiation longer than the maximum radiation energy. The wavelength converter emits radiation preferably with a maximum energy wavelength in the range of 3000 nm to 5000 nm.

IPC 8 full level

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CPC (source: EP KR US)

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